Master in Artificial Intelligence
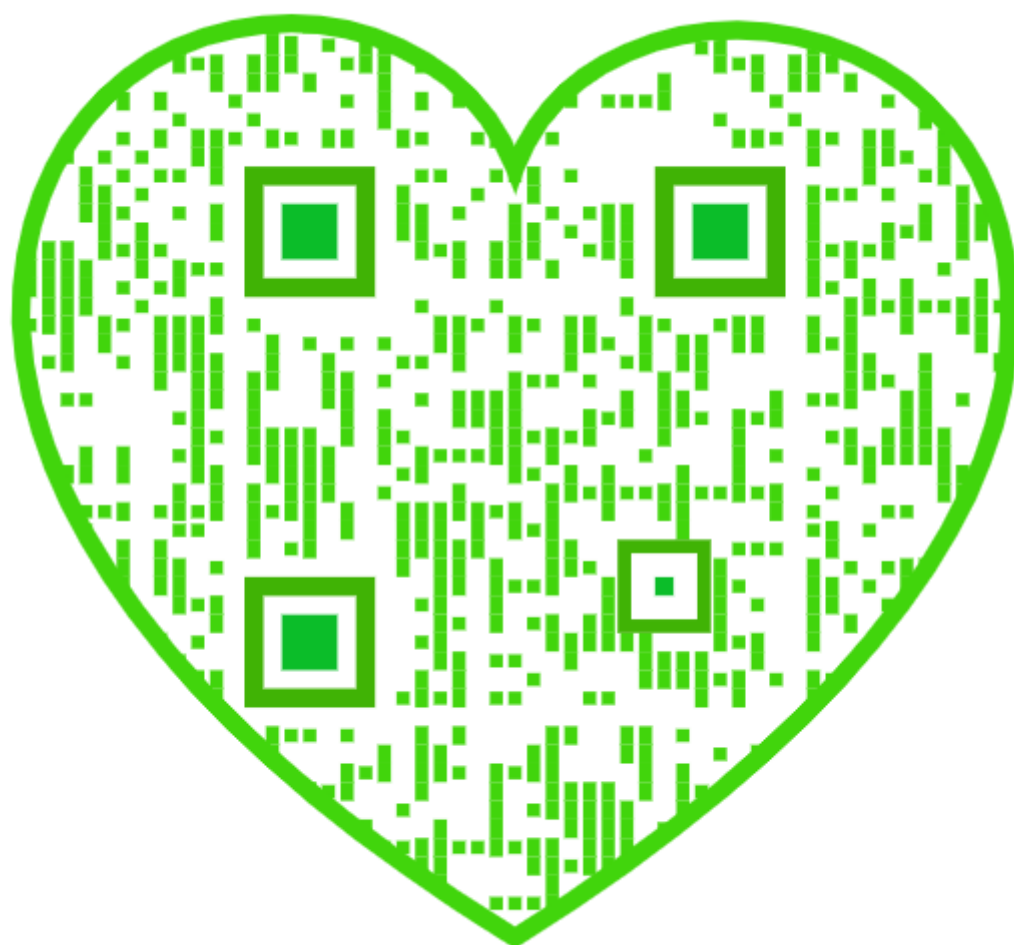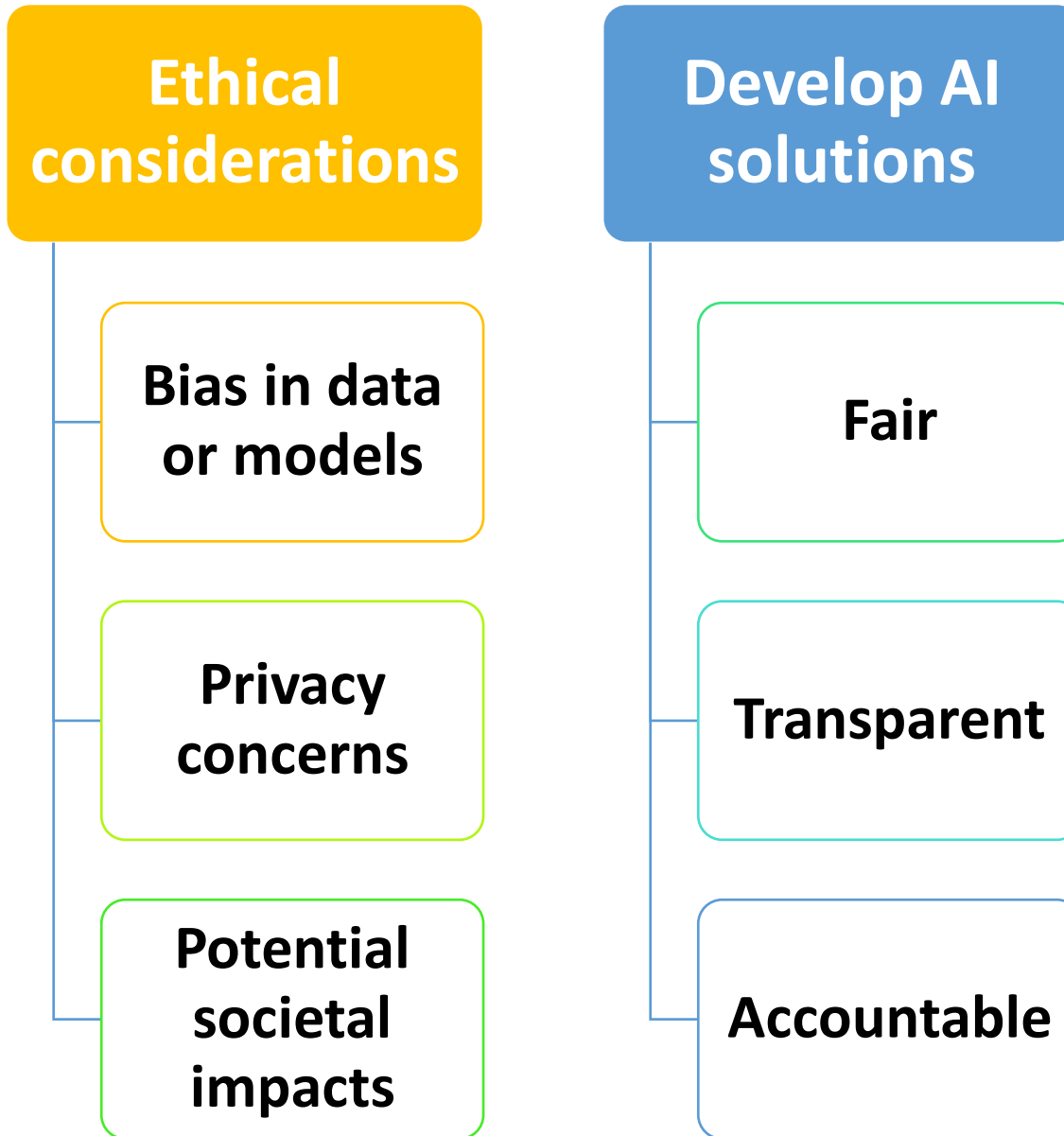
Ethical Considerations III

The purpose of the section is to help you learn how to take care of ethical considerations in artificial intelligence and machine learning to become a Successful Artificial Intelligence (AI) Engineer

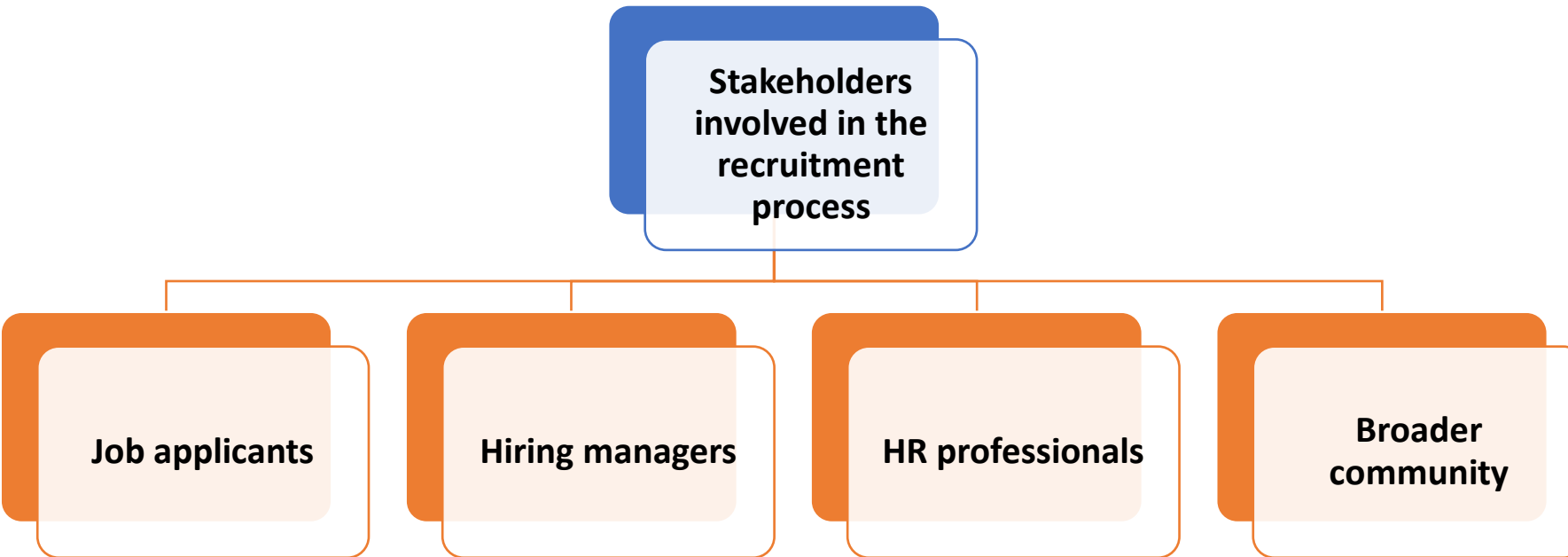At the end of this lecture, you will learn the following

- An example of taking care of ethical considerations in artificial intelligence and machine learning

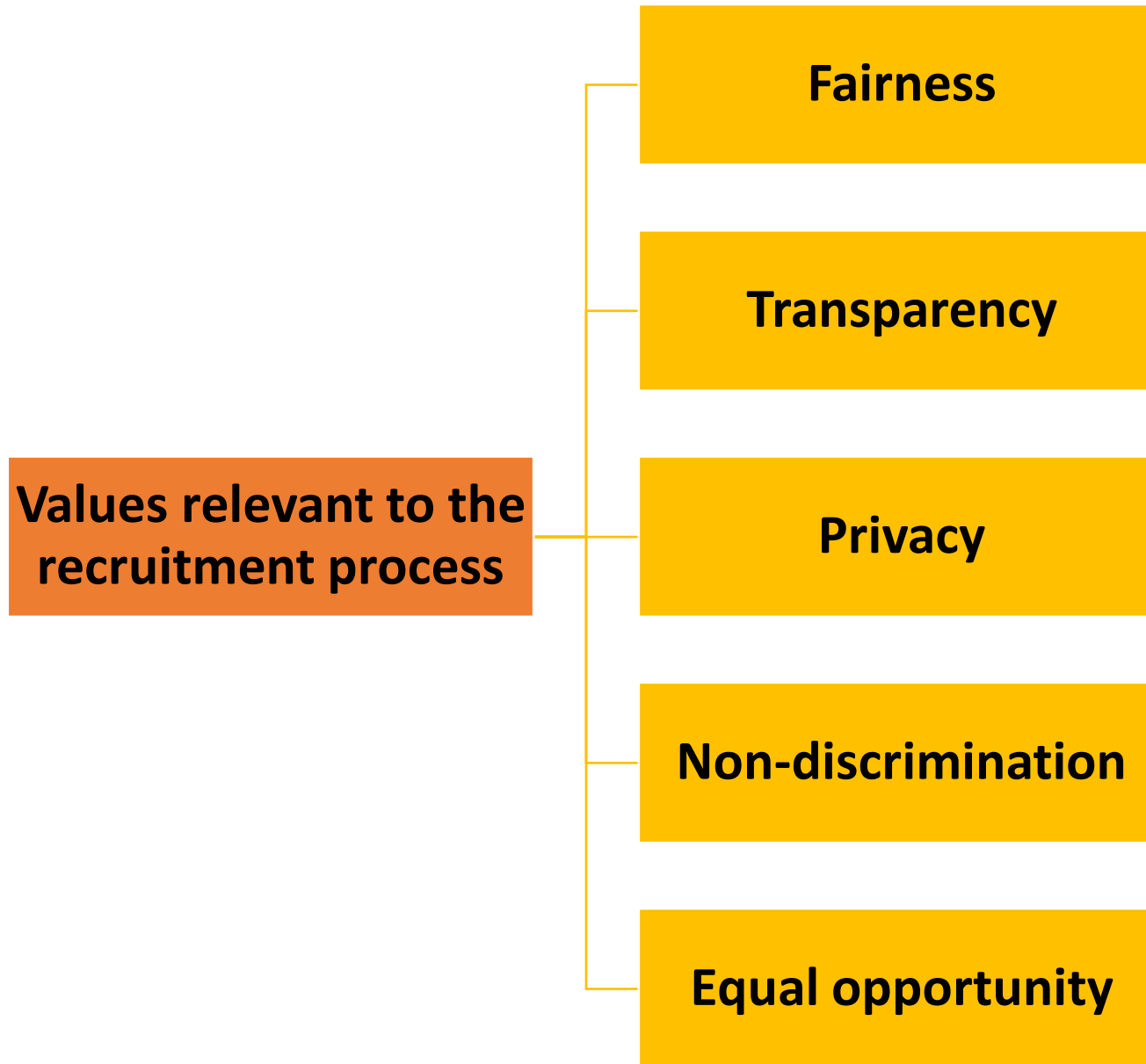# An example of taking care of ethical considerations in artificial intelligence and machine learning

Ethical considerations

- Bias in data or models
- Privacy concerns
- Potential societal impacts

Develop AI solutions

- Fair
- Transparent
- Accountable

Stakeholder Identification

Stakeholders involved in the recruitment process

- Job applicants
- Hiring managers
- HR professionals
- Broader community

Value Identification

Values relevant to the recruitment process

- Fairness
- Transparency
- Privacy
- Non-discrimination
- Equal opportunity

Ethical Risk Assessment

Potential biases

Discrimination

Privacy violations

Conducted an ethical risk assessment to identify

Impact of algorithmic decision-making on marginalized groups

Potential reinforcement of existing biases

Considered
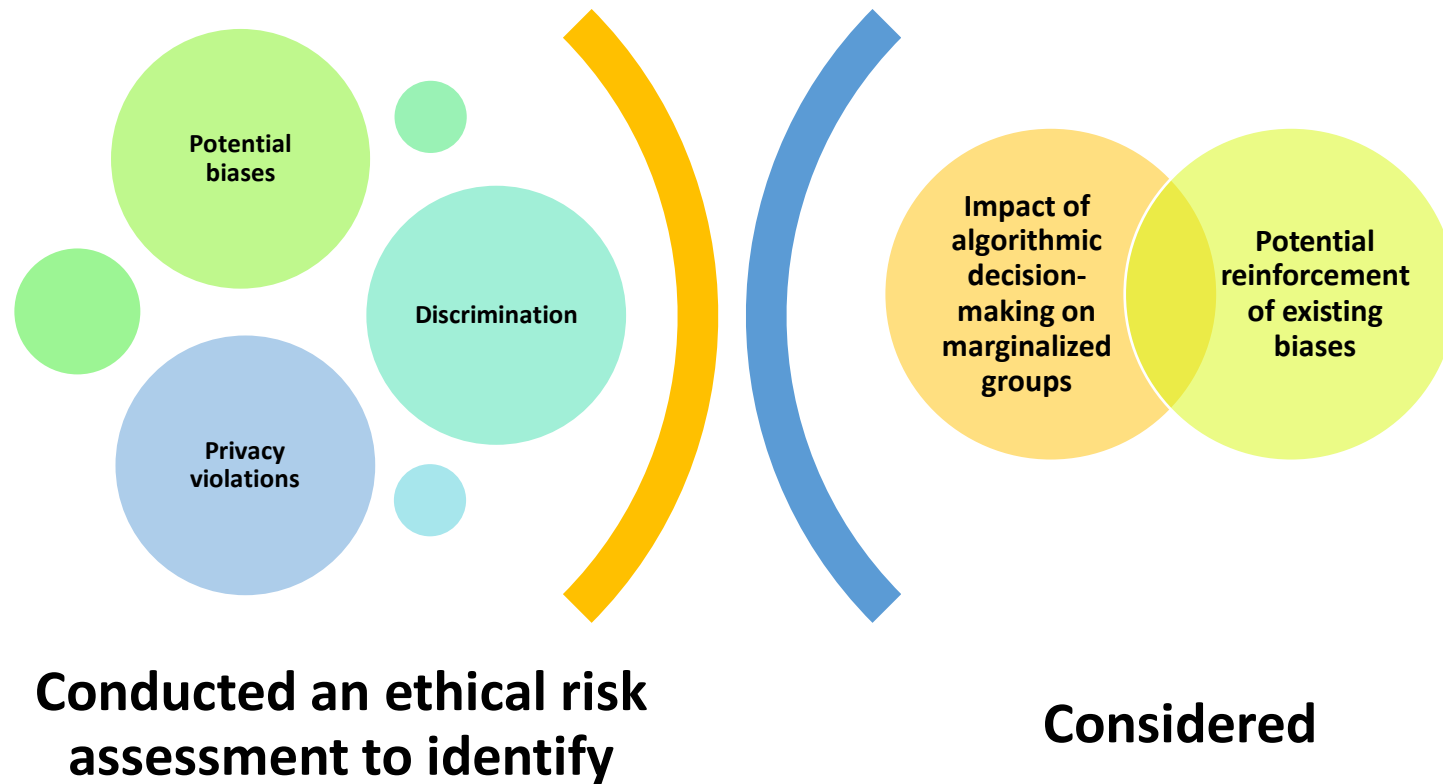
Mitigation Strategies

Implement bias detection and mitigation techniques to ensure fairness in the recruitment process
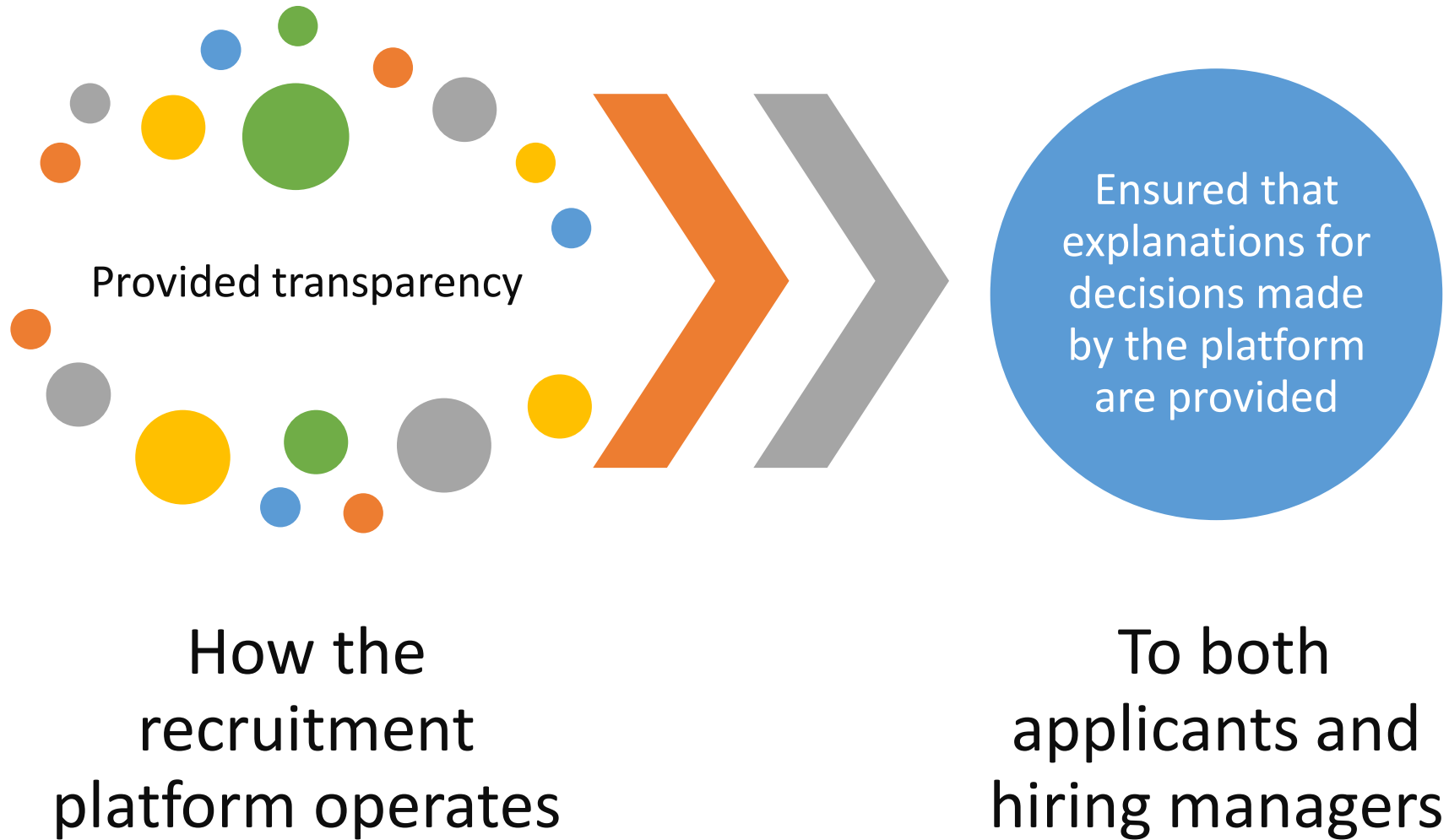
Use fairness-aware machine learning algorithms to mitigate biases in model predictions and decisions

Regularly audit the recruitment platform for fairness and bias, and take corrective actions as needed
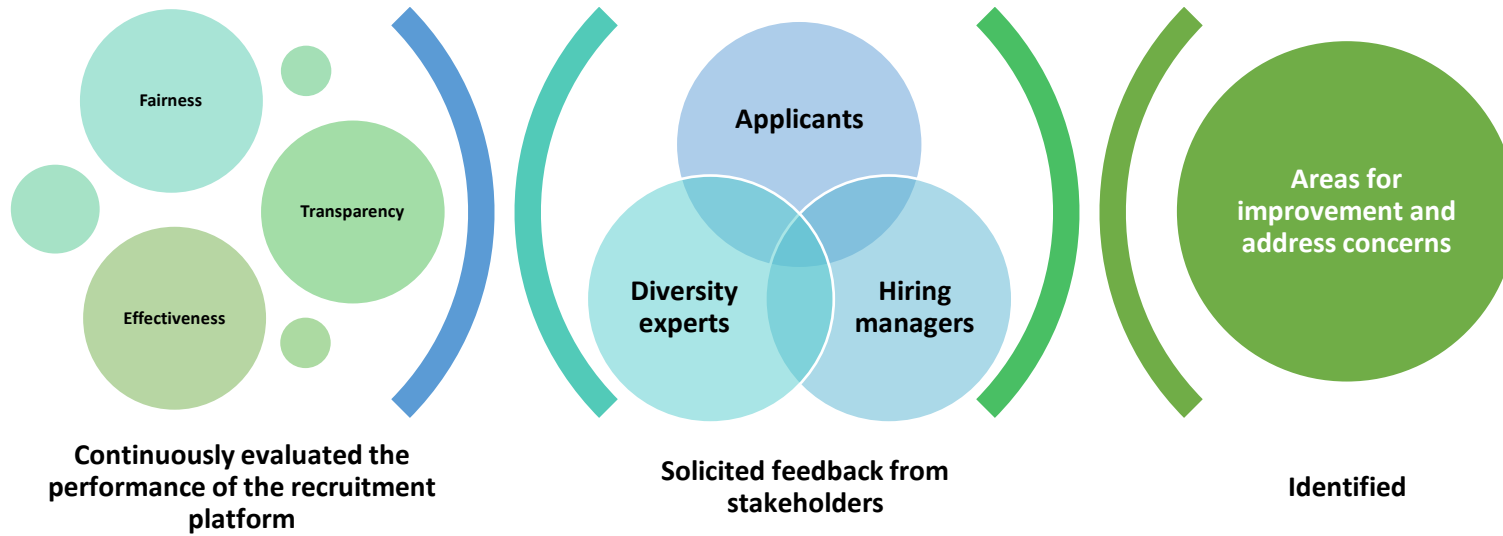
Privacy Protection

Implemented strong data privacy measures to protect the personal information of job applicantsg.
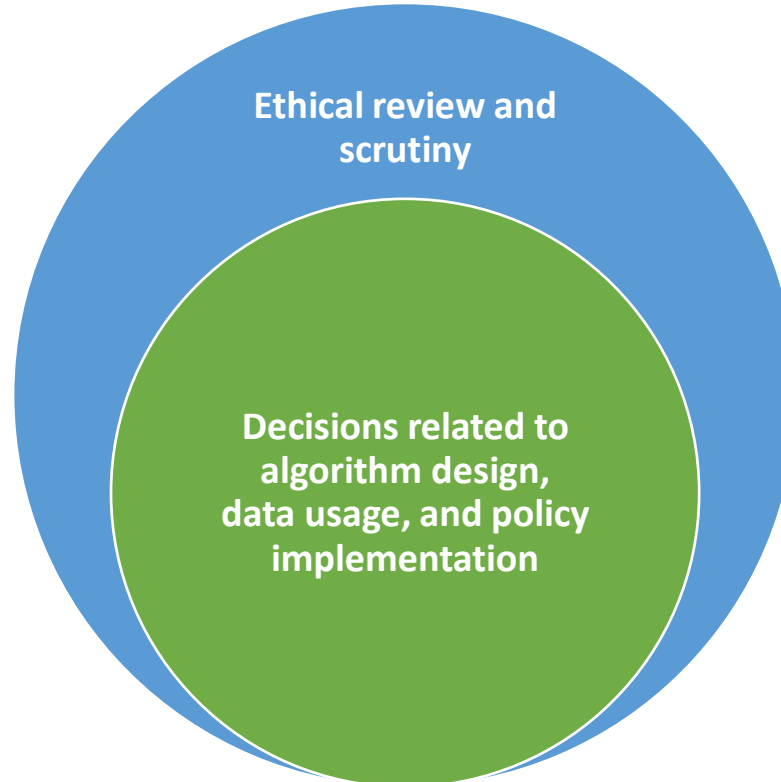

Privacy Notice:

Obtained Informed Consent for Personal Data Processing

Evaluation and Feedback

Fairness

Transparency

Effectiveness

Continuously evaluated the performance of the recruitment platform

Applicants

Diversity experts

Hiring managers

Solicited feedback from stakeholders

Areas for improvement and address concerns

Identified

Established an ethics committee and advisory board

ETHICS COMMITTEE   ENHANCING ACCOUNTABILITY AND TRUST.

Ethical review and scrutiny

Decisions related to algorithm design, data usage, and policy implementation
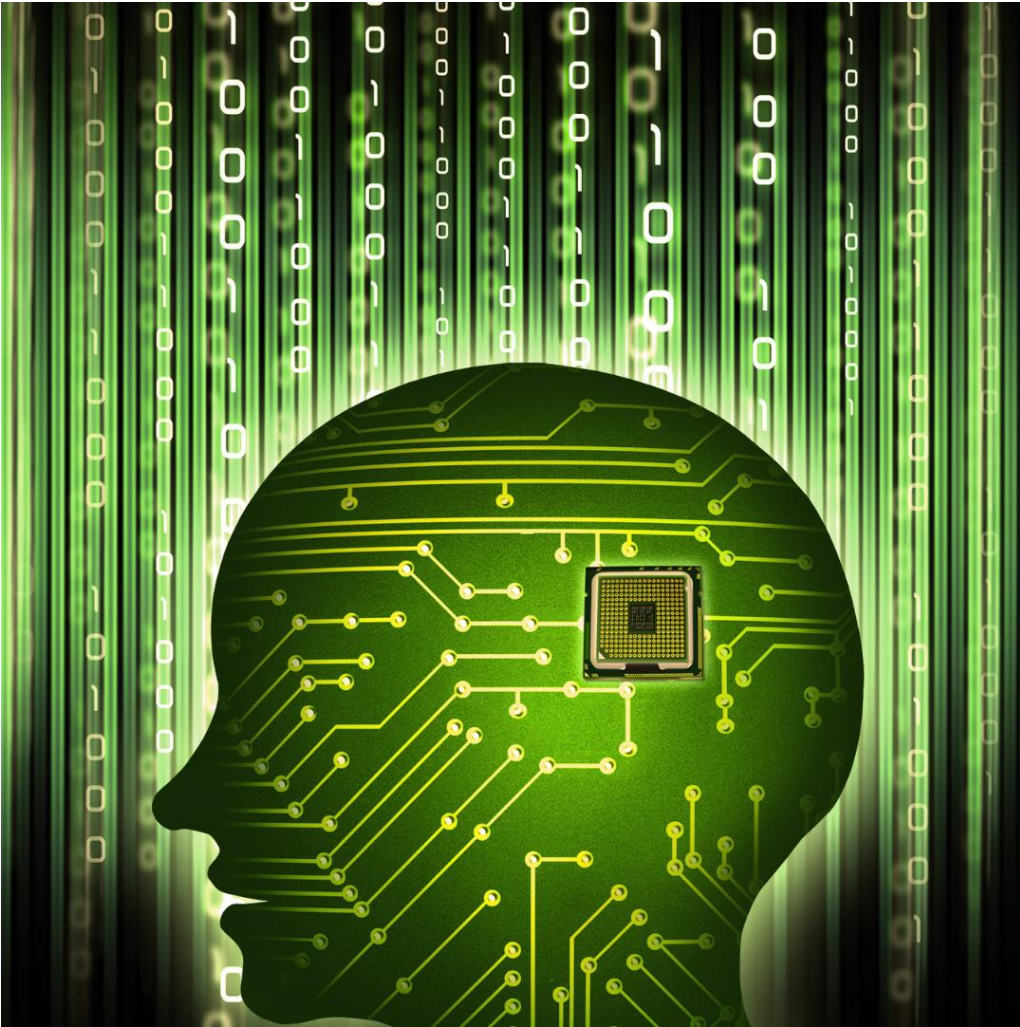
An example of taking care of ethical considerations in artificial intelligence and machine learning

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How to become a Successful AI Engineer